

IN THE CLAIMS:

Claim 1 (Currently Canceled)

Claim 2-3 (Canceled)

Claim 4-9 (Currently Canceled)

Claim 10 (Currently Amended) An electro-luminescence device, comprising:

- a transparent substrate;
- a plurality of pixel areas including a plurality of scanning lines and a plurality of data lines formed on the transparent substrate;
- a plurality of pixel electrodes formed on the plurality of pixel areas;
- an electro-luminescent layer over the plurality of pixel electrodes;
- a metal electrode formed on the electro-luminescent layer;
- a seal cover plate for sealing the electro-luminescent layer and the metal electrode;
- a sealant for adhering the seal cover plate to the transparent substrate; and
- a heat-exhausting layer formed on an outer surface of upper portion of the seal cover plate, ~~wherein an entire surface of the heat-exhausting film contacts the seal cover plate.~~

Claim 11 (Original) The electro-luminescence device according to claim 10, further comprising:

- A protective film formed on the metal electrode.

Claim 12 (Original) The electro-luminescence device according to claim 11, wherein the protective film has a single-layer structure of a moisture-absorbing layer or a moisture-proof layer, or a multi-layer structure of the moisture-absorbing layer and the moisture-proof layer.

Claim 13 (Original) The electro-luminescence device according to claim 10, further comprising:

a moisture-absorbing agent provided at the inner side of the seal cover plate opposed to the metal electrode to absorb moisture and oxygen from the electro-luminescent layer.

Claim 14 (Previously Presented) The electro-luminescence device according to claim 13, further comprising:

a semi-transmissive film for supporting the moisture-absorbing agent to be held at the inner side of the seal cover plate.

Claim 15 (Previously Presented) The electro-luminescence device according to claim 13, wherein the moisture-absorbing agent is selected from any one of BaO, CaO, CaCO₃, zeolite, silicagel and alumina.

Claim 16 (Original) The electro-luminescence device according to claim 10, wherein the heat-exhausting layer is formed from a carbon group material.

Claim 17 (Original) The electro-luminescence device according to claim 16, wherein the carbon group material is selected from any one of DLC, a-C:H, graphite, a carbon film and a carbon sheet.

Claim 18 (Original) The electro-luminescence device according to claim 10, wherein the heat-exhausting layer is formed by any one of a deposition, a coating and a taping.

Claim 19-25 (Cancelled)

Claim 26. (Currently Amended) An electro-luminescence device, comprising:

- a transparent substrate;
- a plurality of pixel areas including a plurality of scanning lines and a plurality of data lines formed on the transparent substrate;
- a plurality of pixel electrodes formed on the plurality of pixel areas;
- an electro-luminescent layer over the plurality of pixel electrodes;
- a metal electrode formed on the electro-luminescent layer;
- a flat seal cover plate formed in a plane to seal the electro-luminescent layer;
- a metal thin film provided under the seal cover plate to transfer heat; and
- a sealant for adhering an edge of the flat seal cover plate and the metal thin film to the transparent substrate, said sealant having a space for injecting an inactive gas, wherein an entire surface of the metal thin film contacts the flat seal cover plate.

Claim 27 (Original) The electro-luminescence device according to claim 26, further comprising:

a moisture-absorbing agent provided at the inner side of the seal cover plate opposed to the metal electrode to absorb moisture and oxygen from the electro-luminescent layer.

Claim 28. (Currently Amended) The electro-luminescence device according to claim 27, further comprising:

a semi-transmissive film for supporting the moisture-absorbing agent to be held at the inner side of the flat seal cover plate.

Claim 29 (Previously Presented) The electro-luminescence device according to claim 28, wherein the moisture-absorbing agent is selected from any one of BaO, CaO, CaCO₃, zeolite, silicagel and alumina.

Claim 30. (Original) The electro-luminescence device according to claim 28, wherein the metal thin film is provided between the seal cover plate and the moisture-absorbing agent and adheres to the entire surface of the seal cover plate.

Claim 31 (Currently Amended) ~~The electro-luminescence device according to claim 28;~~ An electro-luminescence device, comprising:

a transparent substrate;

a plurality of pixel areas including a plurality of scanning lines and a plurality of data lines formed on the transparent substrate;

a plurality of pixel electrodes formed on the plurality of pixel areas;
an electro-luminescent layer over the plurality of pixel electrodes;
a metal electrode formed on the electro-luminescent layer;
a flat seal cover plate formed in a plane to seal the electro-luminescent layer;
a metal thin film provided under the seal cover plate to transfer heat;
a sealant for adhering an edge of the flat seal cover plate and the metal thin
film to the transparent substrate, said sealant having a space for injecting an inactive
gas, wherein an entire surface of the metal thin film contacts the flat seal cover plate;
a moisture-absorbing agent provided at the inner side of the flat seal cover
plate opposed to the metal electrode to absorb moisture and oxygen from the electro-
luminescent layer; and
a semi-transmissive film for supporting the moisture-absorbing agent to be
held at the inner side of the flat seal cover plate,

wherein the metal thin film adheres to a portion of the flat seal cover plate on which the moisture-absorbing agent is not formed.

Claim 32 (Currently Amended) The electro-luminescence device according to claim 28, An electro-luminescence device, comprising:

a transparent substrate;
a plurality of pixel areas including a plurality of scanning lines and a plurality
of data lines formed on the transparent substrate;
a plurality of pixel electrodes formed on the plurality of pixel areas;
an electro-luminescent layer over the plurality of pixel electrodes;
a metal electrode formed on the electro-luminescent layer;

a flat seal cover plate formed in a plane to seal the electro-luminescent layer;
a metal thin film provided under the seal cover plate to transfer heat;
a sealant for adhering an edge of the flat seal cover plate and the metal thin
film to the transparent substrate, said sealant having a space for injecting an inactive
gas, wherein an entire surface of the metal thin film contacts the flat seal cover plate;
a moisture-absorbing agent provided at the inner side of the flat seal cover
plate opposed to the metal electrode to absorb moisture and oxygen from the electro-
luminescent layer; and
a semi-transmissive film for supporting the moisture-absorbing agent to be
held at the inner side of the flat seal cover plate,

wherein the metal thin film adheres to a portion of the flat seal cover plate on
which the moisture-absorbing agent is not formed and the sealant is not attached.

Claim 33 (Original) The electro-luminescence device according to claim 26, wherein
the protective film extends to contact the transparent substrate to seal the heat-
exhausting layer.

Claim 34 (Currently Cancelled)